

# Analysis of Endoscopic Simulators for Assessment of Surgical Skills of OBGYN Residents.

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## Published In/Presented At

Pero, A., Patruno, J., Martino, M., Duarte, J., Lawn, V., Wejkszner, T., (2017, July, 31) *Analysis of Endoscopic Simulators for Assessment of Surgical Skills of OBGYN Residents*. Poster presented at: LVHN Research Scholar Program Poster Session, Lehigh Valley Health Network, Allentown, PA.

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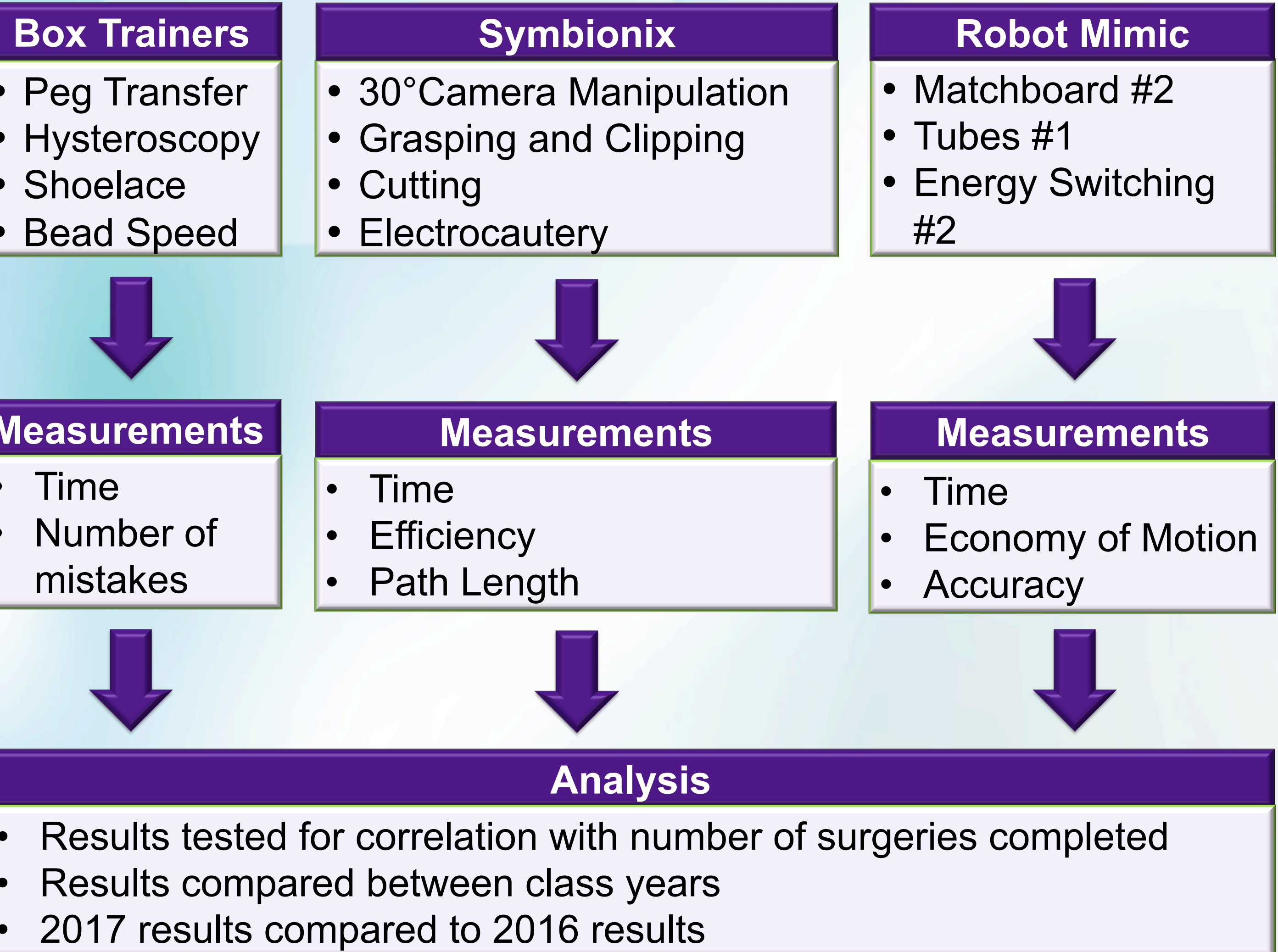
Lehigh Valley Health Network, Allentown, Pennsylvania

## BACKGROUND

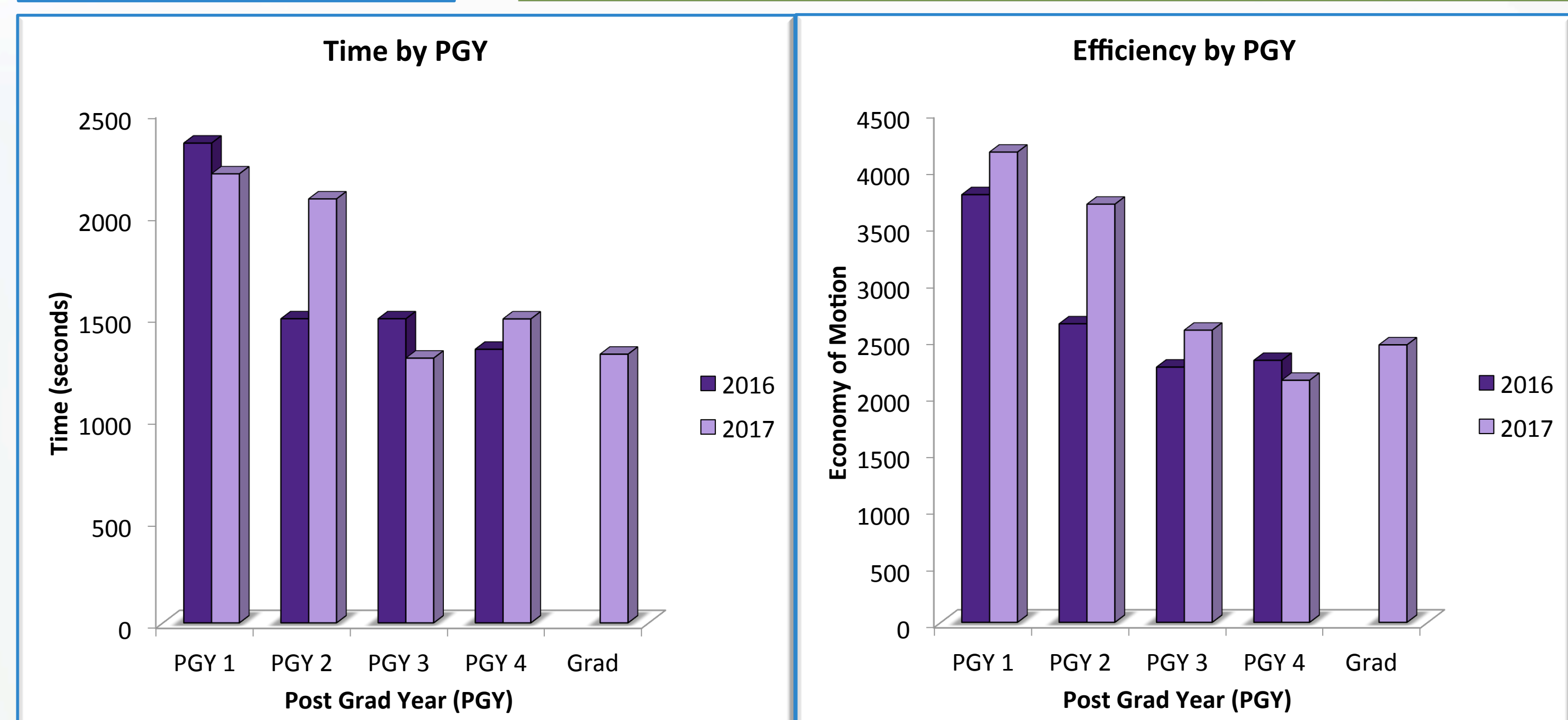
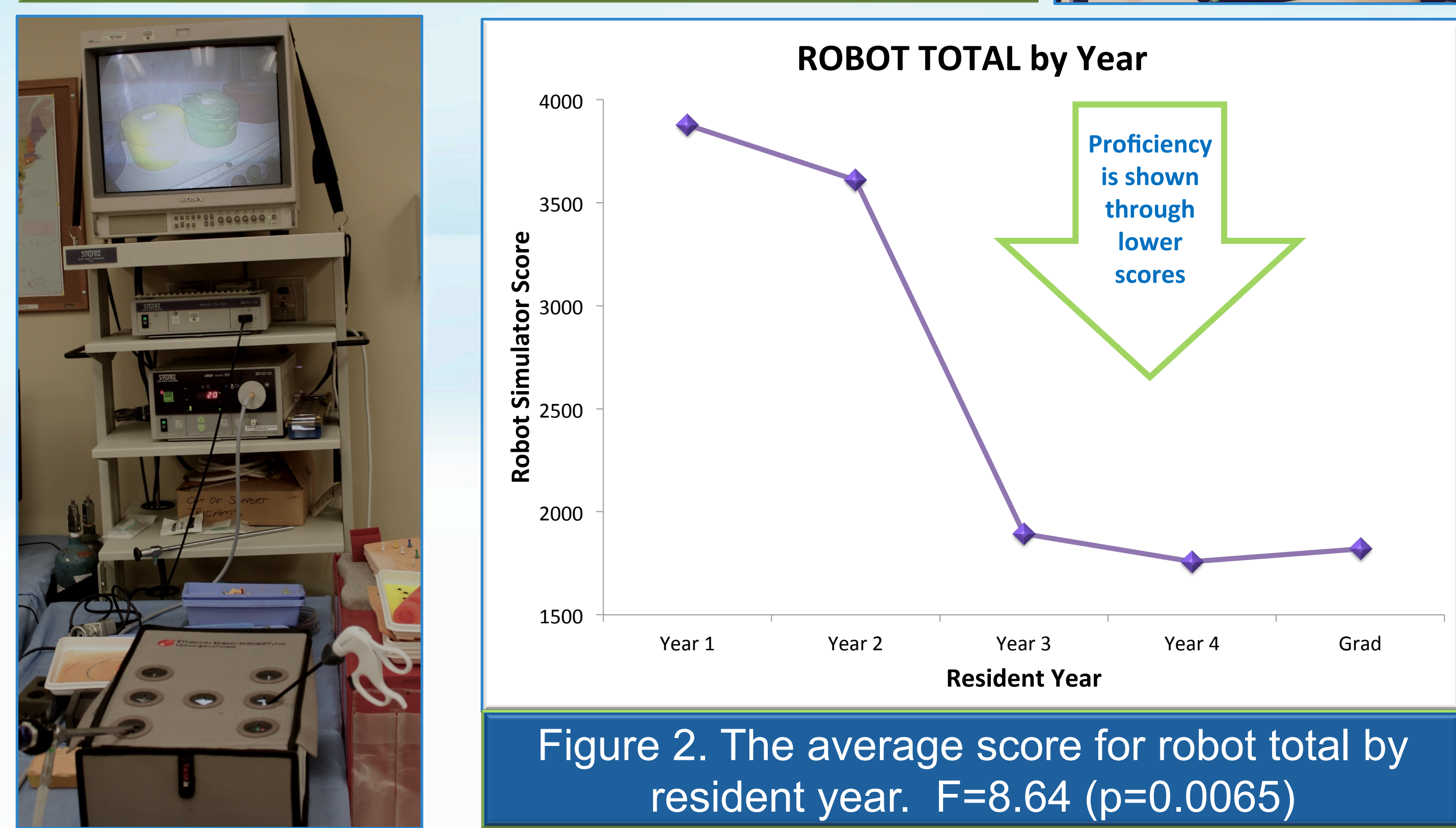
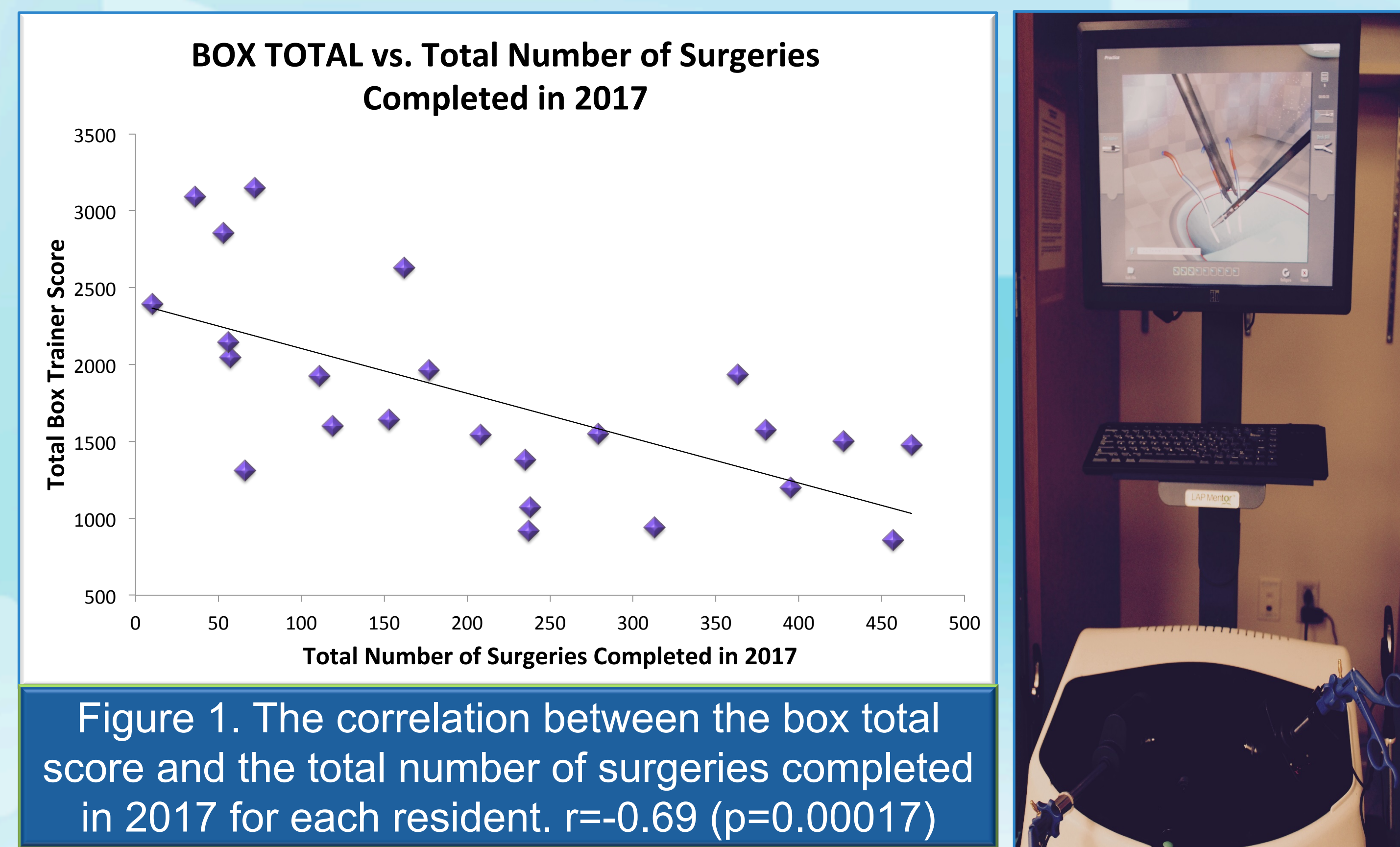
- Accurately evaluating residents on their surgical skills is important to ensuring resident development and improving the quality of patient care
- Many residency programs utilize simulation training to refine and assess the residents' surgical skills
- Investigation of simulator training at LVHN could show a valid method to develop and evaluate the surgical skills of OBGYN residents

## METHODS

- Study was conducted among OBGYN residents in five different class years in summer 2016 and summer 2017
- Residents were tested on surgical training simulators that imitated laparoscopy, hysteroscopy, and robotic surgeries



## RESULTS



## CONCLUSION

- Data shows differences in resident class year, most profoundly in the middle of residency (second to third year), but not necessarily improvement among same residents from 2016 to 2017
- A correlation was found between results and number of surgeries
- Time and efficiency, which are important skills for surgeons, improve as residents progress



## FUTURE RESEARCH

- Possible investigation of patient outcomes with relation to simulation performance in attending physicians
- Creating baseline performance requirements or improvement expectations for residents
- Investigating other variables that may affect performance (sleep, rotation, mood, etc.)
- Linking simulation performance with Tips or B-Line evaluations

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